

ANTIBACTERIAL RESIN

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Abstract of JP 9302137 (A)

PROBLEM TO BE SOLVED: To obtain an antibacterial resin having excellent antibacterial activity effective for exhibiting antibacterial effect on *Pseudomonas aeruginosa*, MRSA, etc. **SOLUTION:** This antibacterial resin is composed of a polymer having sulfonic acid group and silver ion bonded to the sulfonic acid group. The amount of the sulfonic acid group of the polymer is 3-7.5mmol based on 1g of the polymer. As an alternative, the antibacterial resin is composed of a polymer having sulfonic acid group and silver ion bonded to the sulfonic acid group and contains 2-10mmol of the silver ion based on 1g of the polymer. The polymer is especially preferably a polymer produced by polymerizing a monomer component composed mainly of an aromatic vinyl monomer and sulfonating the produced vinyl polymer. The antibacterial resin especially preferably has a spherical particle form having an average particle diameter of 0.3-500 μ m.

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